

Global Refrigerant Grade High Purity Ammonia (NH₃) Market Growth 2026-2032

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Abstracts

The global Refrigerant Grade High Purity Ammonia (NH₃) market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Ammonia (R717) is a single component non-ozone depleting refrigerant with zero global warming potential. It has been used as a refrigerant for over 100 years and has a good safety record despite its acute toxicity. It is generally used in large industrial applications such as food processing and storage, and is compatible with conventional lubricants but is highly corrosive to copper, therefore it should only be used in systems designed specifically for Ammonia.

It has a low boiling point and is favoured because it is a highly energy efficient refrigerant which also has minimal environmental impact, having zero ODP (Ozone Depletion Potential) and zero GWP (Global Warming Potential).

United States market for Refrigerant Grade High Purity Ammonia (NH₃) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Refrigerant Grade High Purity Ammonia (NH₃) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Refrigerant Grade High Purity Ammonia (NH₃) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Refrigerant Grade High Purity Ammonia (NH₃) players cover Yara, CF Industries, Nutrien, TogliattiAzot, Koch Fertilizer, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Refrigerant Grade High Purity Ammonia (NH₃) Industry Forecast" looks at past sales and reviews total world Refrigerant Grade High Purity Ammonia (NH₃) sales in 2025, providing a comprehensive analysis by region and market sector of projected Refrigerant Grade High Purity Ammonia (NH₃) sales for 2026 through 2032. With Refrigerant Grade High Purity Ammonia (NH₃) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Refrigerant Grade High Purity Ammonia (NH₃) industry.

This Insight Report provides a comprehensive analysis of the global Refrigerant Grade High Purity Ammonia (NH₃) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Refrigerant Grade High Purity Ammonia (NH₃) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Refrigerant Grade High Purity Ammonia (NH₃) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Refrigerant Grade High Purity Ammonia (NH₃) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Refrigerant Grade High Purity Ammonia (NH₃).

This report presents a comprehensive overview, market shares, and growth opportunities of Refrigerant Grade High Purity Ammonia (NH₃) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Purity > 99.5%

Purity > 99.9%

Other

Segmentation by Application:

Industrial Refrigeration

Transport Refrigeration

Air Conditioning Chillers

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Yara

CF Industries

Nutrien

TogliattiAzot

Koch Fertilizer

OCI Nitrogen

Acron

SAFCO

QAFCO

Group DF

Key Questions Addressed in this Report

What is the 10-year outlook for the global Refrigerant Grade High Purity Ammonia (NH₃) market?

What factors are driving Refrigerant Grade High Purity Ammonia (NH₃) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Refrigerant Grade High Purity Ammonia (NH₃) market opportunities vary by end market size?

How does Refrigerant Grade High Purity Ammonia (NH₃) break out by Type, by Application?

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